

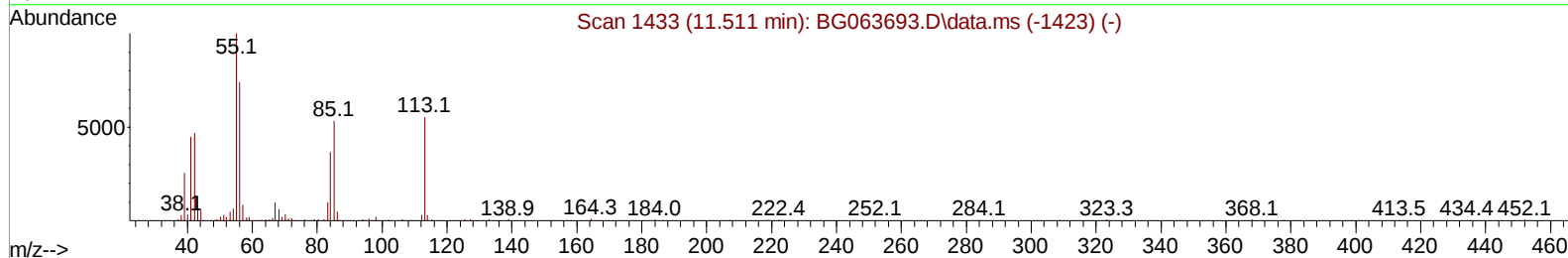
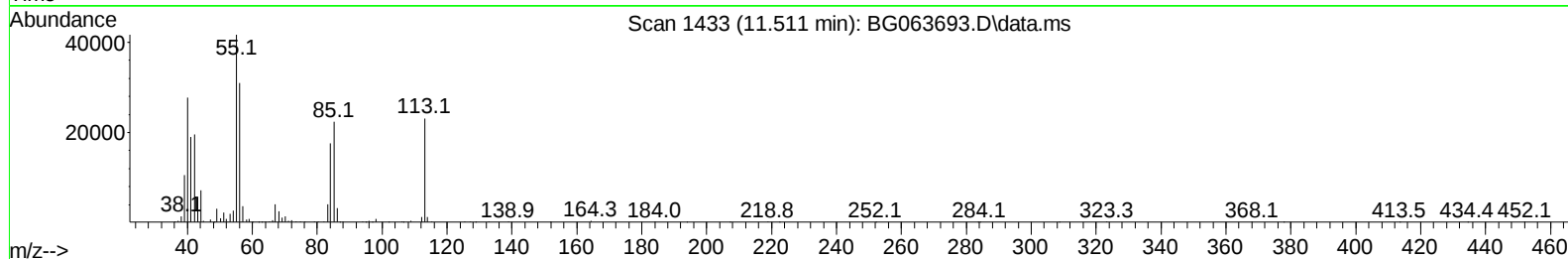
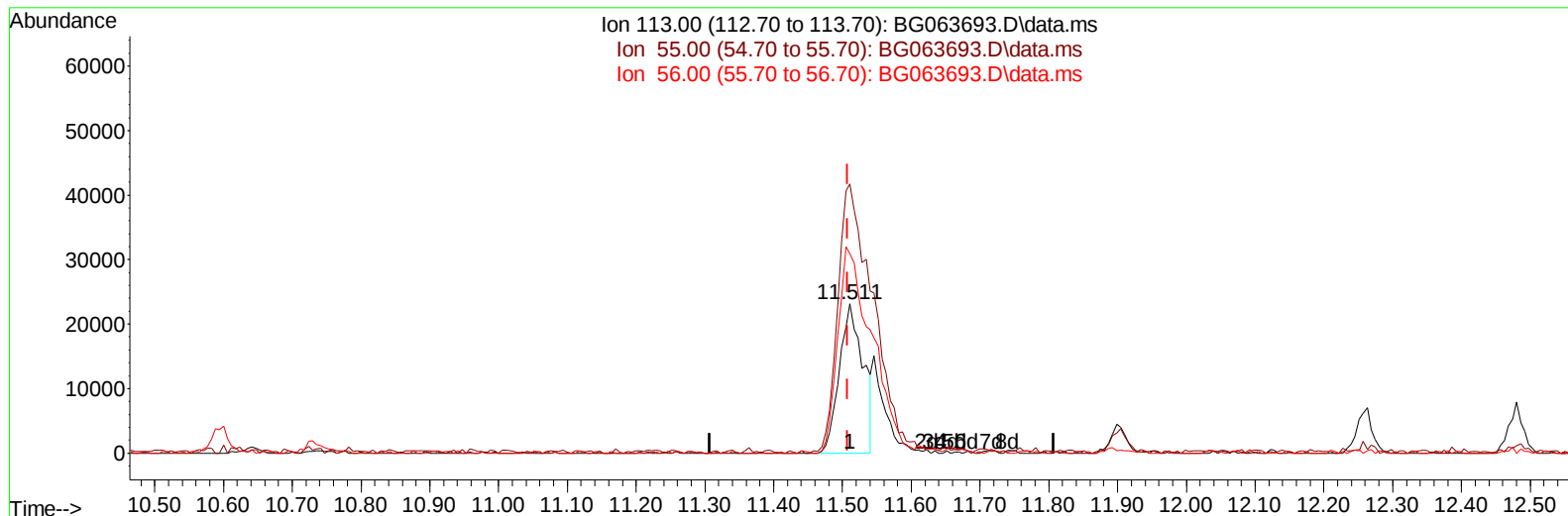
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121724\  
Data File : BG063693.D  
Acq On : 17 Dec 2024 11:44  
Operator : RC/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Dec 17 12:43:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 11 23:59:23 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024  
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063693.D\data.ms

(34) Caprolactam

11.511min (+ 0.003) 18.38 ng/ul

response 55452

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 202.90 | 180.41 |
| 56.00  | 133.90 | 133.89 |
| 0.00   | 0.00   | 0.00   |

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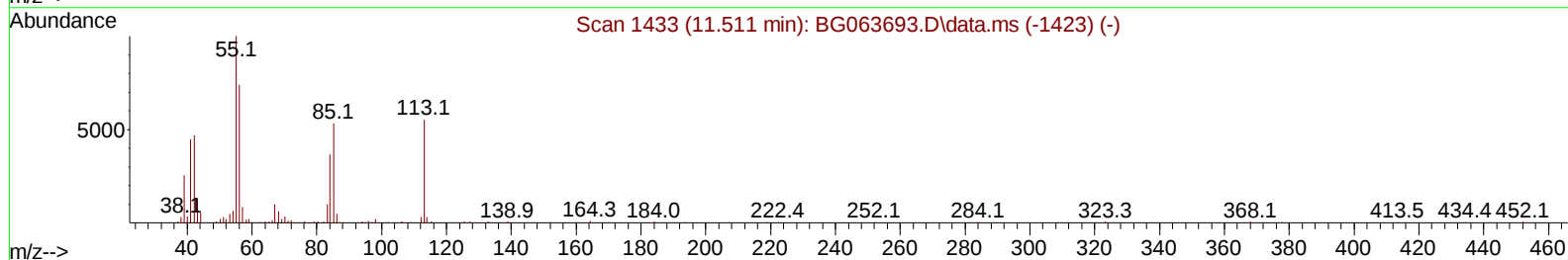
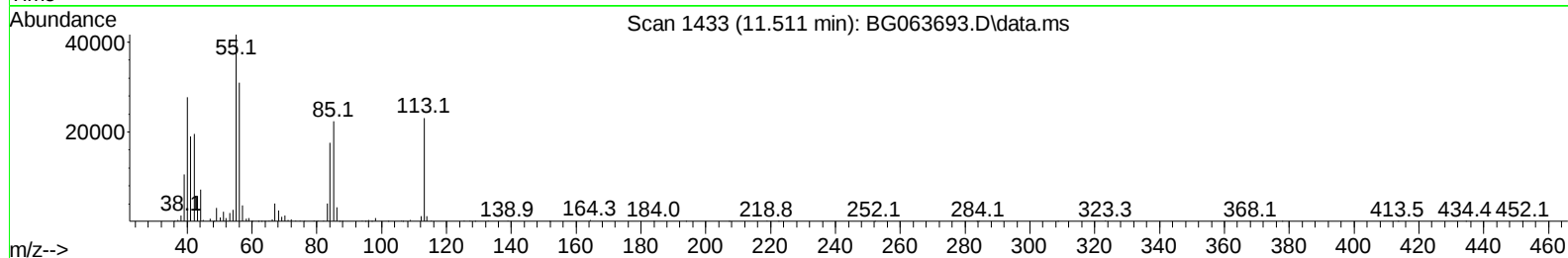
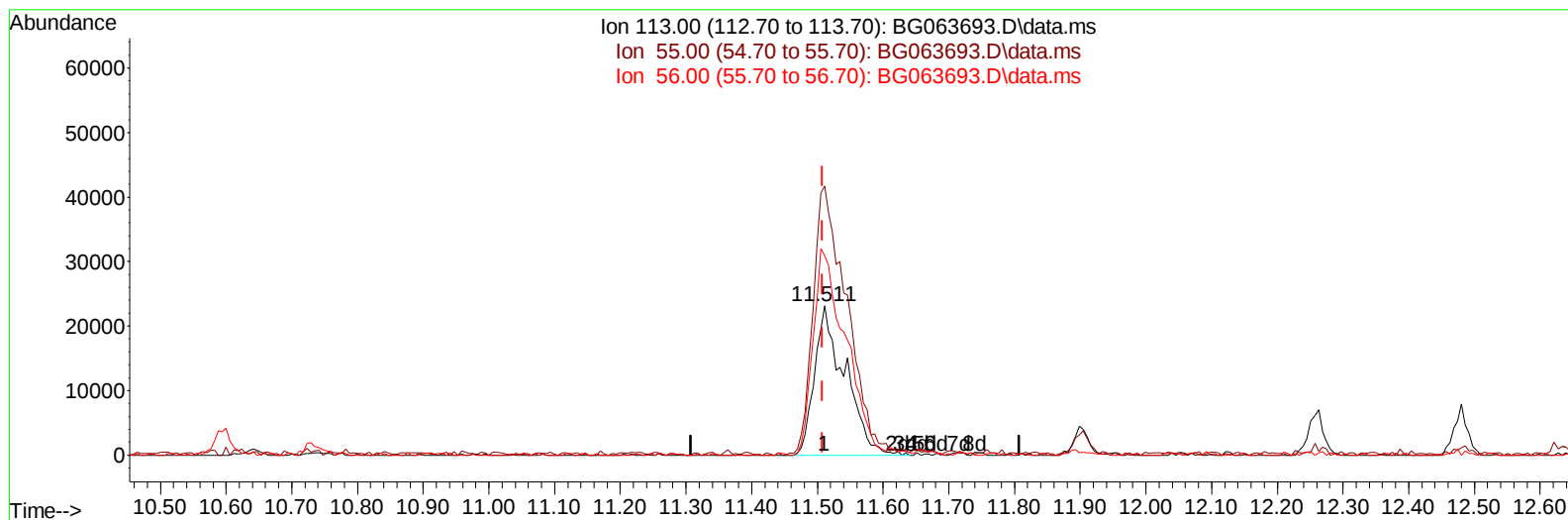
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TIC: BG063693.D\data.ms

**(34) Caprolactam**

11.511min (+ 0.003) 24.79 ng/ul m

response 74786

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 202.90 | 180.41 |
| 56.00  | 133.90 | 133.89 |
| 0.00   | 0.00   | 0.00   |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.803  | 152  | 135606   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.594 | 136  | 566711   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.448 | 164  | 433187   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.198 | 188  | 1116159  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.446 | 240  | 1136935  | 20.000 | ng/ul  | #-0.01   |
| 88) Perylene-d12              | 24.460 | 264  | 1150662  | 20.000 | ng/ul  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.262  | 96   | 26657    | 7.703  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.667  | 84   | 209635   | 19.204 | ng/ul  | -0.02    |
| 7) Phenol-d5                  | 6.993  | 99   | 240065   | 19.222 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.134  | 67   | 153541   | 17.800 | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.345  | 132  | 161506   | 19.975 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.520  | 113  | 191758   | 19.776 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.961  | 128  | 84463    | 20.874 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.678  | 143  | 100609   | 22.181 | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.230 | 165  | 182278   | 20.757 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.735 | 131  | 248638   | 22.299 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.855 | 166  | 622287   | 21.111 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.137 | 160  | 693848   | 20.649 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.678 | 143  | 91050    | 21.801 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.441 | 176  | 542571   | 20.819 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.577 | 200  | 99979    | 17.252 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.298 | 188  | 1021139  | 21.279 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.595 | 212  | 1244395  | 21.033 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.261 | 264  | 1112249  | 20.584 | ng/ul  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.297  | 88   | 29651    | 7.240  | ng/uL  | 91       |
| 5) Pyridine                   | 3.691  | 79   | 214671   | 18.360 | ng/ul  | 93       |
| 6) Benzaldehyde               | 6.946  | 77   | 160708   | 20.978 | ng/ul  | 95       |
| 8) Phenol                     | 7.016  | 94   | 247620   | 18.604 | ng/ul  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.228  | 93   | 186277   | 18.291 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.374  | 128  | 173860   | 21.243 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.262  | 108  | 184544   | 19.183 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.320  | 45   | 286771   | 18.968 | ng/ul  | 98       |
| 16) Acetophenone              | 8.620  | 105  | 318413   | 19.360 | ng/ul  | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.602  | 70   | 186334   | 18.988 | ng/ul  | 94       |
| 18) 4-Methylphenol            | 8.585  | 108  | 208340   | 19.787 | ng/ul  | 97       |
| 19) Hexachloroethane          | 8.879  | 117  | 75613    | 18.802 | ng/ul  | 93       |
| 22) Nitrobenzene              | 9.002  | 77   | 260976   | 19.314 | ng/ul  | 99       |
| 23) Isophorone                | 9.519  | 82   | 502843   | 19.696 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.713  | 139  | 102513   | 21.992 | ng/ul# | 93       |
| 26) 2,4-Dimethylphenol        | 9.783  | 107  | 212887   | 20.126 | ng/ul  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.007 | 93   | 268546   | 19.447 | ng/ul  | 96       |
| 29) 2,4-Dichlorophenol        | 10.253 | 162  | 179074   | 20.522 | ng/ul  | 95       |
| 30) Naphthalene               | 10.647 | 128  | 568677   | 20.071 | ng/ul  | 97       |
| 32) 4-Chloroaniline           | 10.759 | 127  | 232356   | 21.902 | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 10.929 | 225  | 127669   | 18.010 | ng/ul  | 99       |
| 34) Caprolactam               | 11.511 | 113  | 74786m   | 24.794 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.899 | 107  | 219775   | 21.454 | ng/ul  | 95       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.263 | 142  | 420691   | 20.659 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.480 | 142  | 428883   | 20.676 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.633 | 216  | 249066   | 17.960 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.609 | 237  | 140618   | 25.651 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.880 | 196  | 157797   | 20.133 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.962 | 196  | 166778   | 20.389 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.273 | 154  | 597749   | 20.924 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.315 | 162  | 474304   | 20.675 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.526 | 65   | 174896   | 22.760 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 13.902 | 163  | 634681   | 21.484 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.025 | 165  | 119701   | 21.818 | ng/ul# | 91       |
| 50) Acenaphthylene            | 14.166 | 152  | 734826   | 20.395 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.354 | 138  | 121872   | 24.026 | ng/ul  | 94       |
| 52) Acenaphthene              | 14.513 | 153  | 519759   | 20.353 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.578 | 184  | 61655    | 21.990 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.695 | 109  | 83834    | 19.331 | ng/ul  | 92       |
| 56) Dibenzofuran              | 14.848 | 168  | 770387   | 21.398 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.825 | 165  | 194206   | 23.822 | ng/ul  | 87       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.083 | 232  | 147637   | 20.939 | ng/ul# | 96       |
| 59) Diethylphthalate          | 15.265 | 149  | 639399   | 22.389 | ng/ul  | 96       |
| 61) Fluorene                  | 15.500 | 166  | 619360   | 21.544 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.488 | 204  | 326794   | 20.404 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.524 | 138  | 137143   | 27.006 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.594 | 198  | 103509   | 17.338 | ng/ul  | 92       |
| 67) N-Nitrosodiphenylamine    | 15.706 | 169  | 561099   | 20.760 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.387 | 248  | 219908   | 19.332 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.511 | 284  | 250938   | 19.690 | ng/ul  | 95       |
| 70) Atrazine                  | 16.664 | 200  | 262880   | 23.009 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 16.863 | 266  | 101321   | 18.856 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.239 | 178  | 1147440  | 21.333 | ng/ul  | 98       |
| 74) Anthracene                | 17.333 | 178  | 1187510  | 21.813 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.244 | 216  | 258864   | 17.383 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.772 | 250  | 266836   | 18.087 | ng/ul  | 95       |
| 77) Carbazole                 | 17.604 | 167  | 1060645  | 24.069 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.162 | 149  | 1307995  | 24.577 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.260 | 202  | 1454421  | 21.629 | ng/ul  | 97       |
| 82) Pyrene                    | 19.625 | 202  | 1549243  | 21.655 | ng/ul# | 95       |
| 83) Butylbenzylphthalate      | 20.518 | 149  | 565757   | 25.761 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.352 | 252  | 450707   | 21.960 | ng/ul  | 94       |
| 85) Benzo(a)anthracene        | 21.429 | 228  | 1436867  | 20.166 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.340 | 149  | 818799   | 25.630 | ng/ul  | 96       |
| 87) Chrysene                  | 21.493 | 228  | 1353499  | 19.931 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.474 | 149  | 1370040  | 27.586 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.508 | 252  | 1328325  | 20.311 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.573 | 252  | 1375583  | 21.087 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.319 | 252  | 1254698  | 20.440 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.868 | 276  | 1537810  | 20.513 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 27.921 | 278  | 1234758  | 20.585 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 28.926 | 276  | 1196045  | 20.106 | ng/ul  | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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